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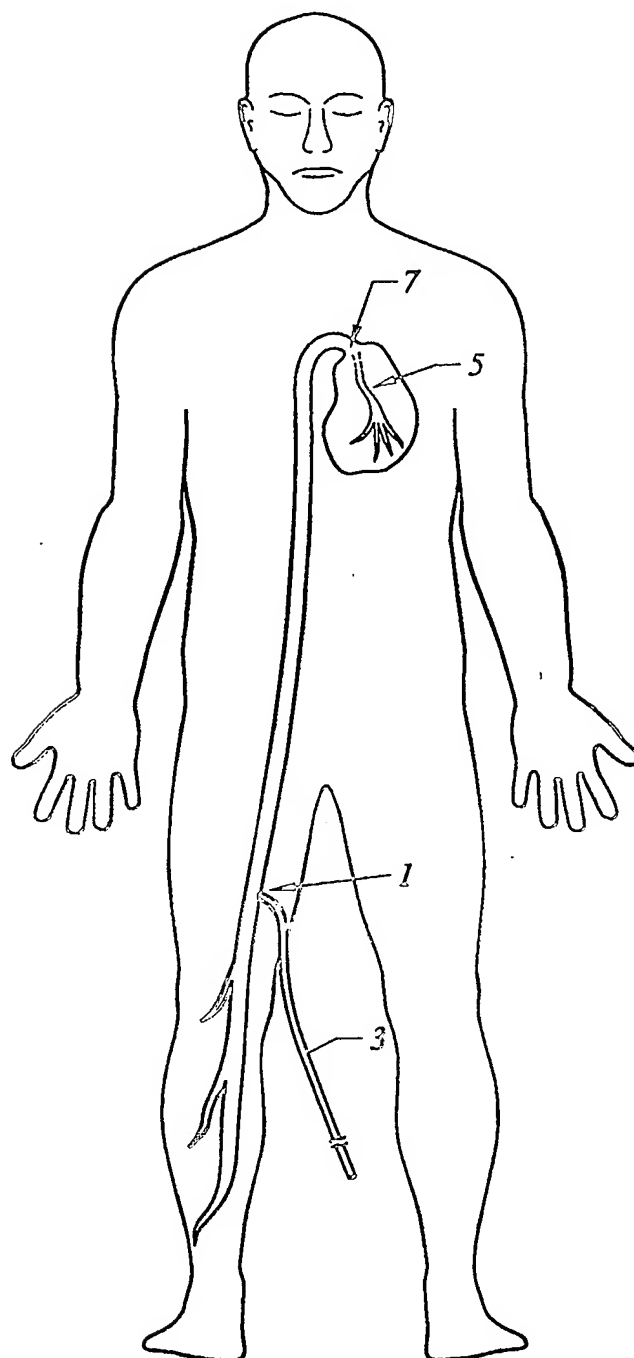


FIG. 1

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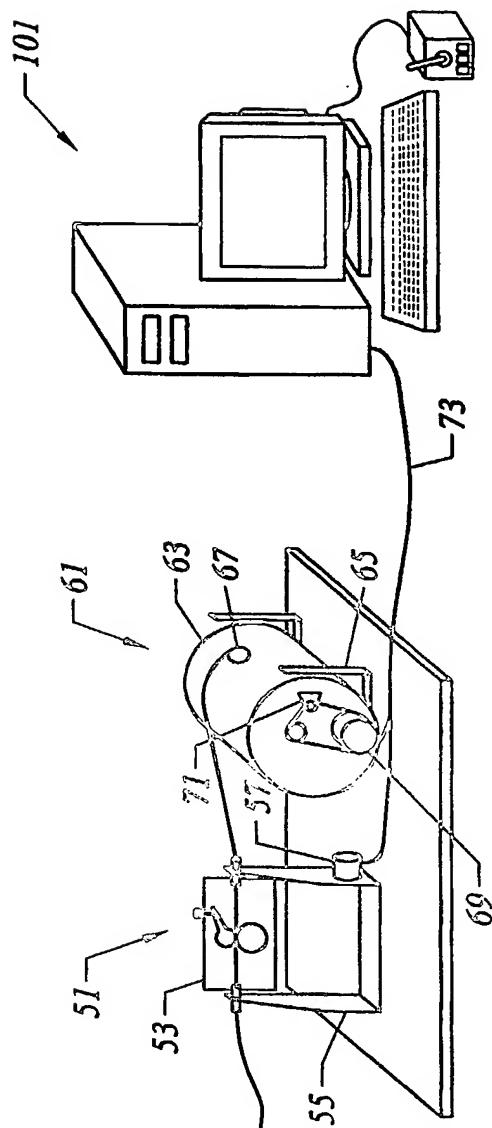


FIG. 2

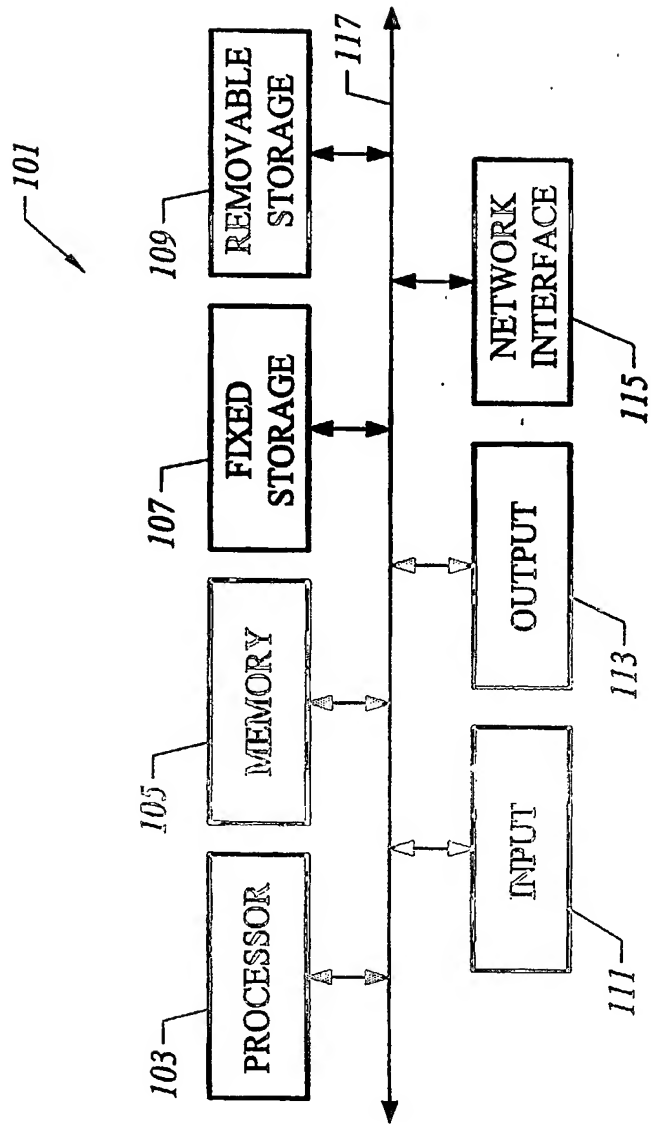


FIG. 3

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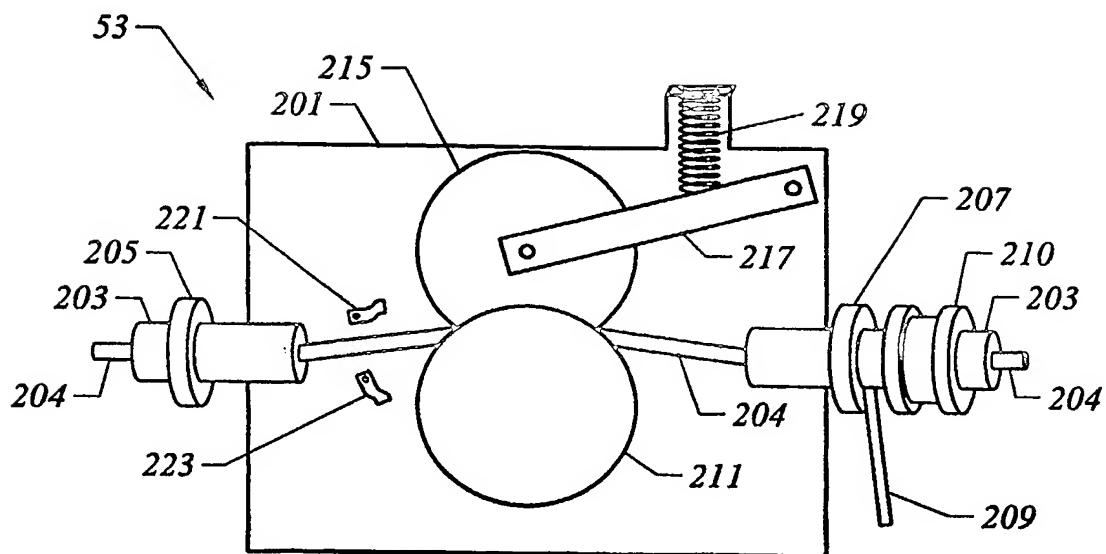


FIG. 4A

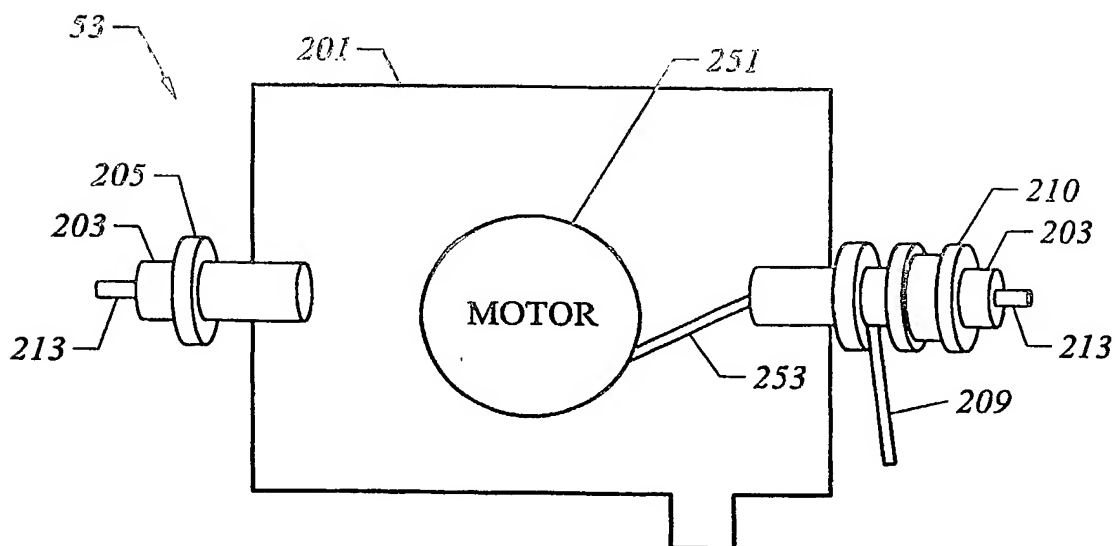


FIG. 4B

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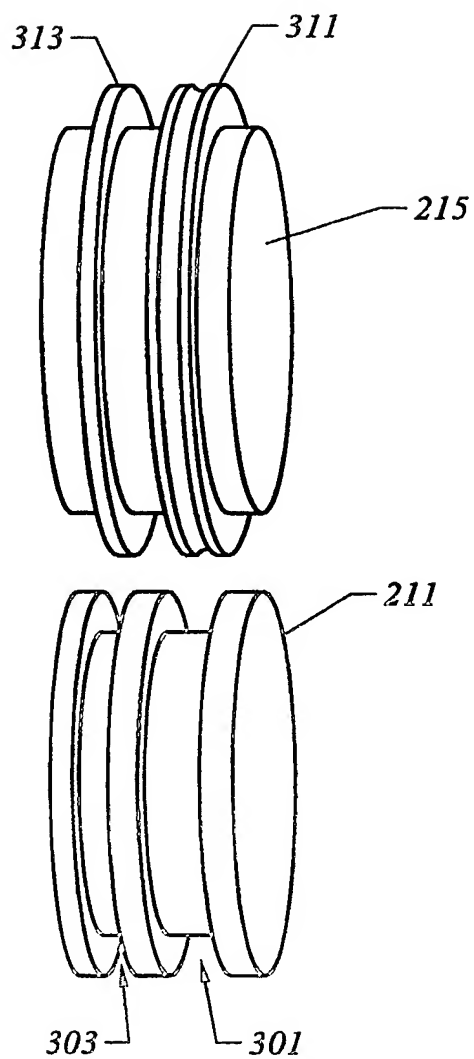


FIG. 5

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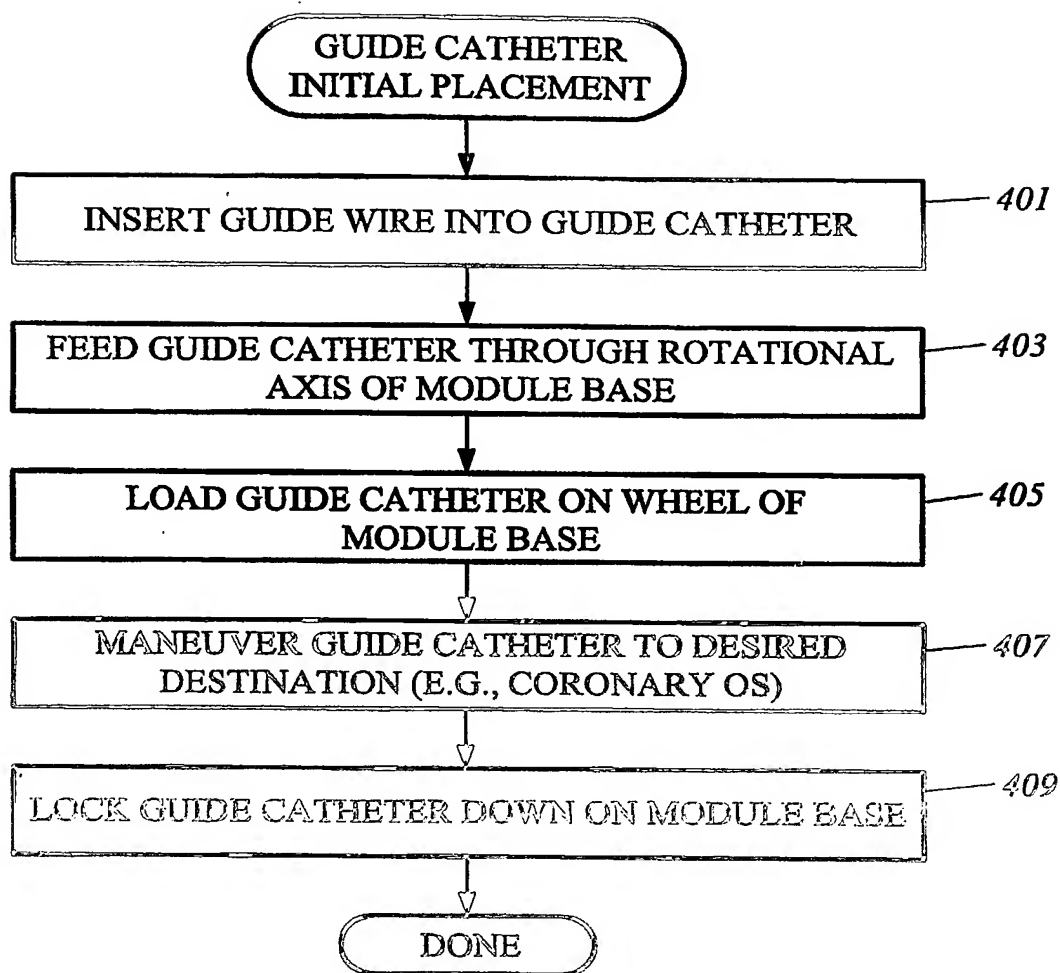


FIG. 6

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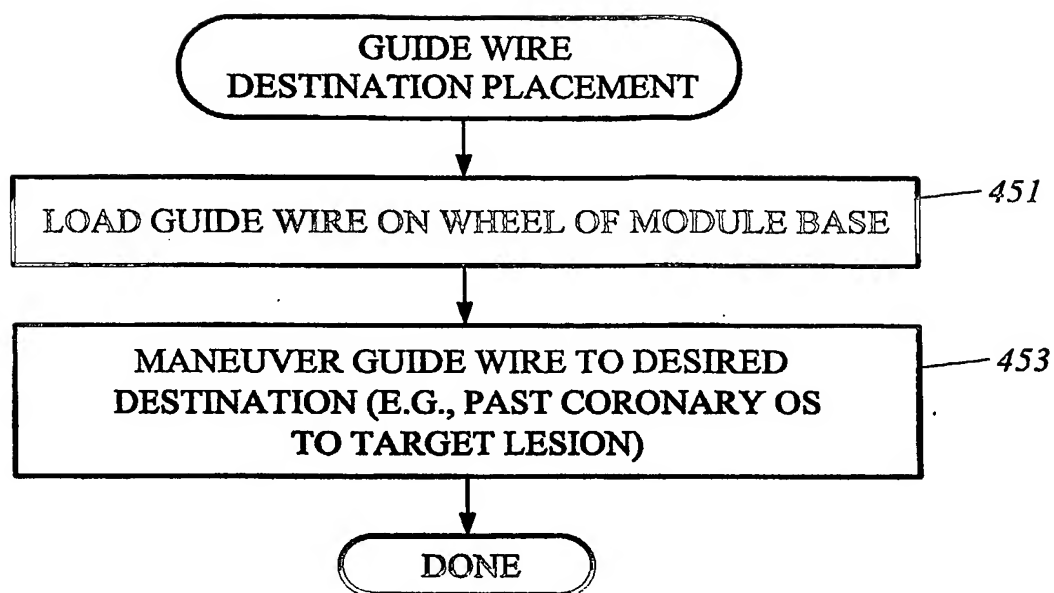


FIG. 7

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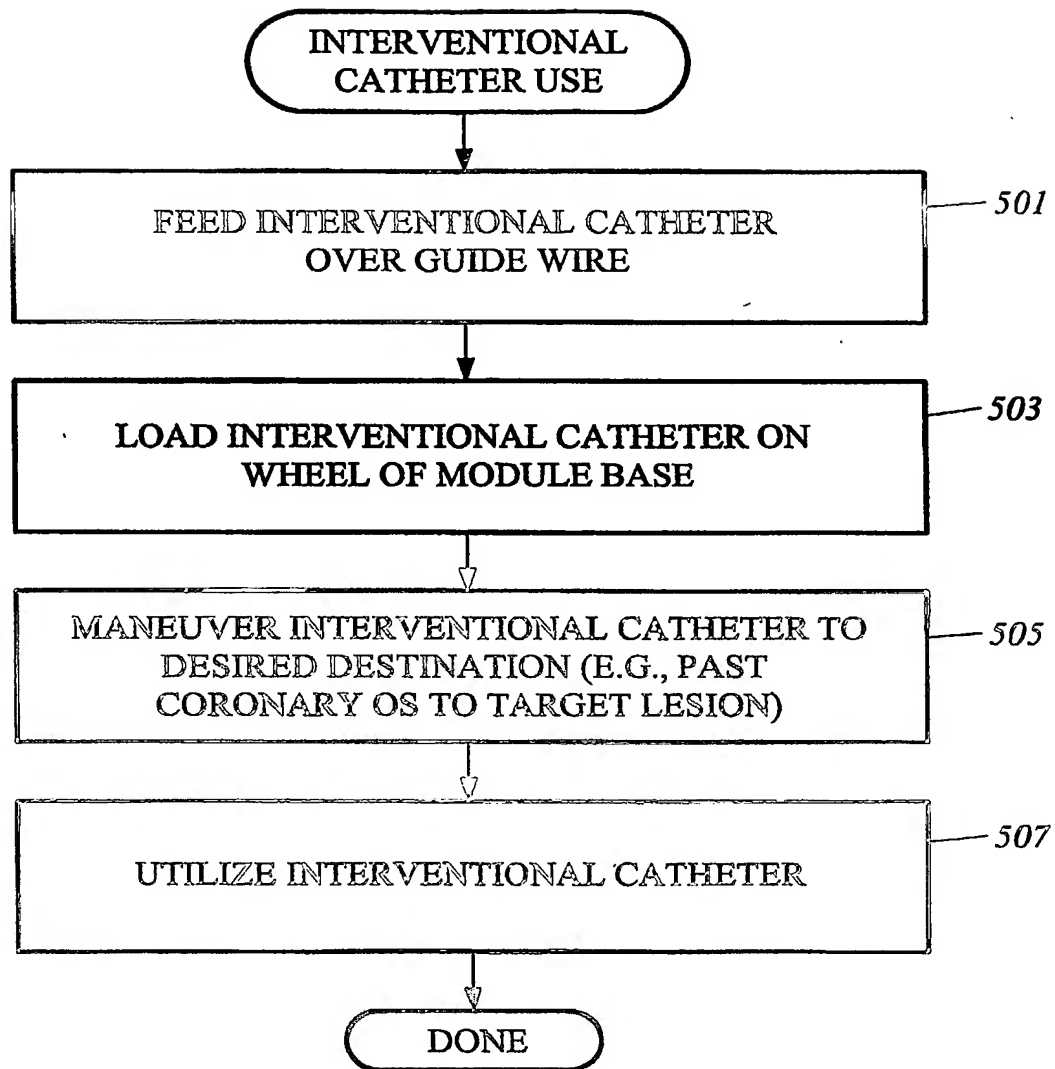


FIG.8

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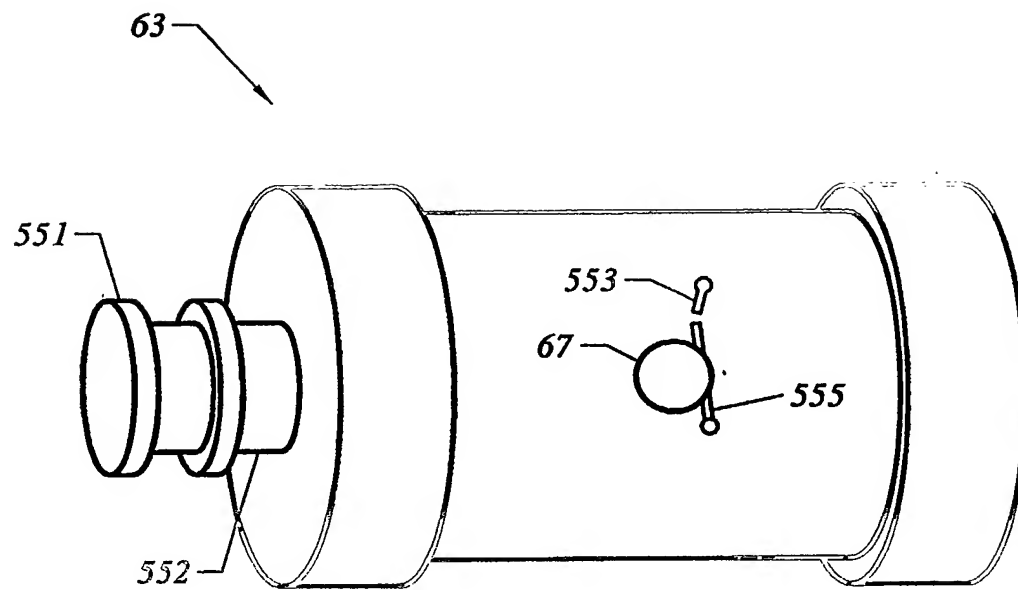


FIG. 9

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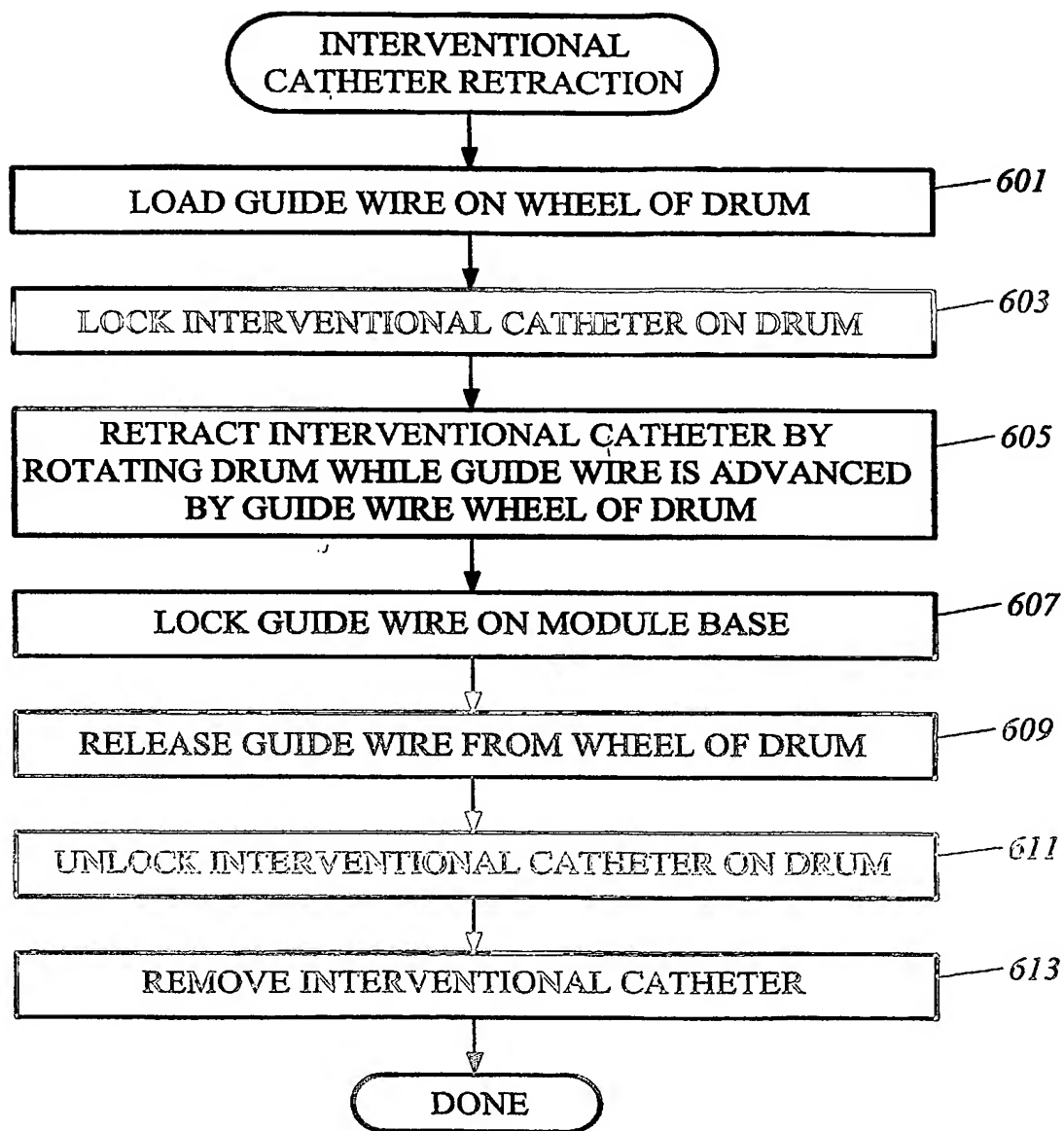


FIG. 10

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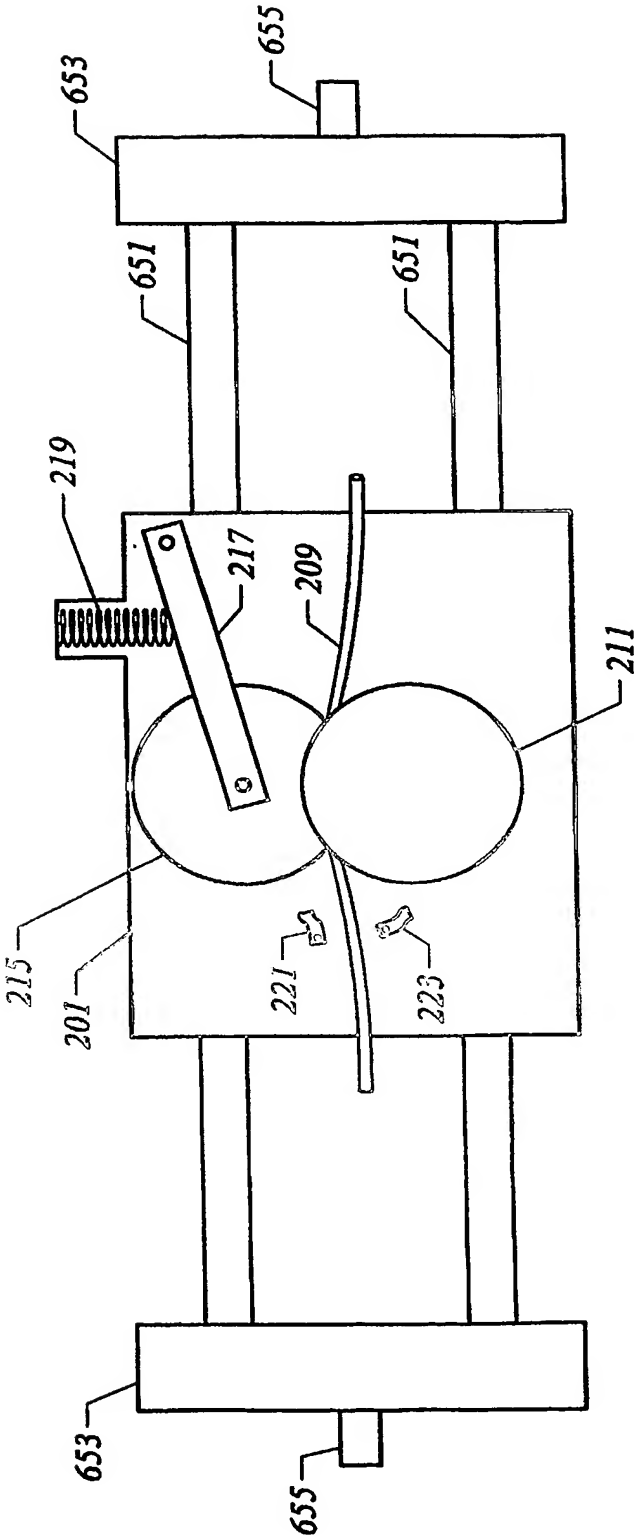


FIG. 11A

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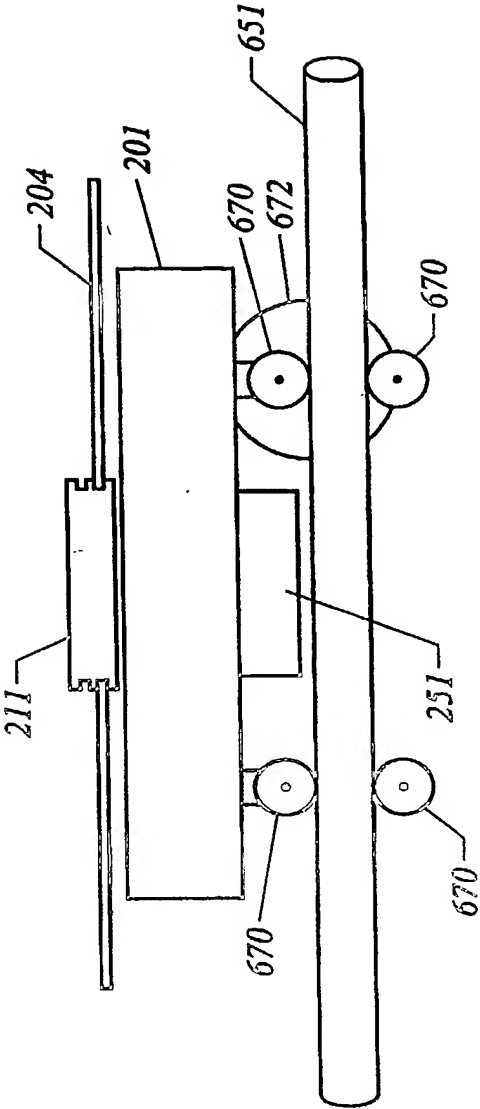


FIG. 11B

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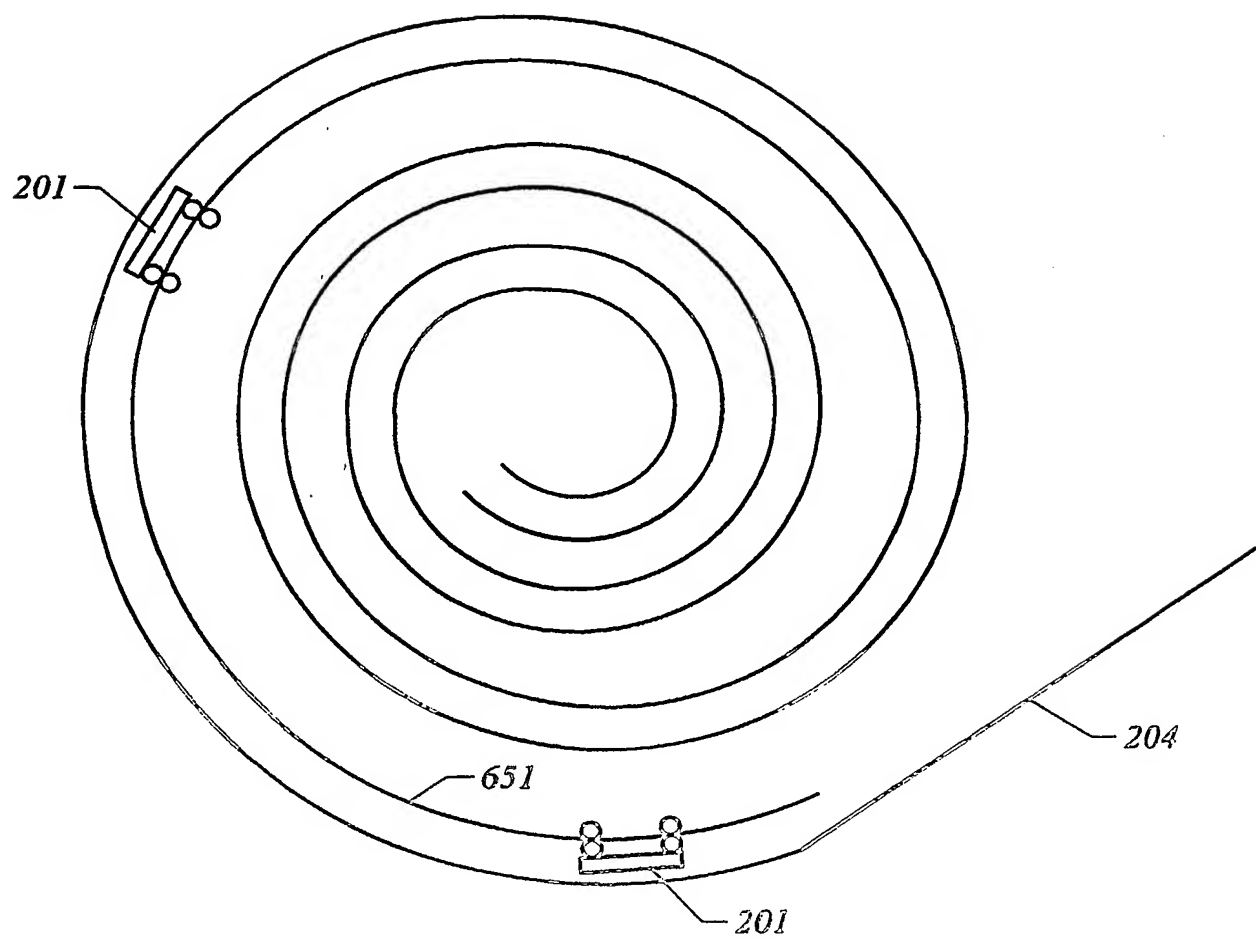


FIG. 12

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TeleCath -- Copyright 2002-2003 Medical Mobile Robotics Laboratory

Mod-Base Wheel **Rotate Mod-Base Drum** **Drum Wheel**

Count Count Count

Rate Rate Rate

☐ Advance ☐ Clockwise (CW) ☐ Advance ☐ Withdraw ☐ Advance ☐ Withdraw

☐ Withdraw ☐ Counter CW ☐ Withdraw

Single-Step Continuous

Single-Step Continuous

Single-Step Continuous

SELECTED ACTION SET (883 Up, 884 Down)

Move Guide Wire (with Rotation) [only device inserted]
 Move Guide Catheter and Guide Wire (with Rotation)
 Move Guide Catheter (with Rotation) — Hold Guide Wire
 Move Guide Wire — Hold Guide Catheter
 Move Interventional Catheter & (if applic.) Guide Wire (with Rotation)
 Move Interventional Catheter (with Rotation) — Hold Guide Wire
 Move Guide Wire (with Rotation) — Hold Interventional Catheter
 Rotate Module-Base Wheel Alone
 Move Module-Base Wheel Alone
 Move Drum Wheel Alone
 Move Drum Wheel Alone

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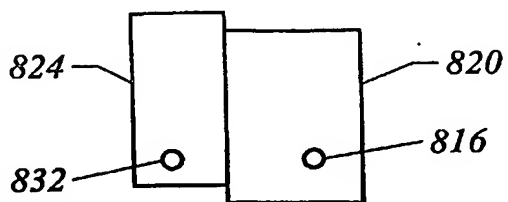
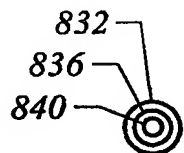
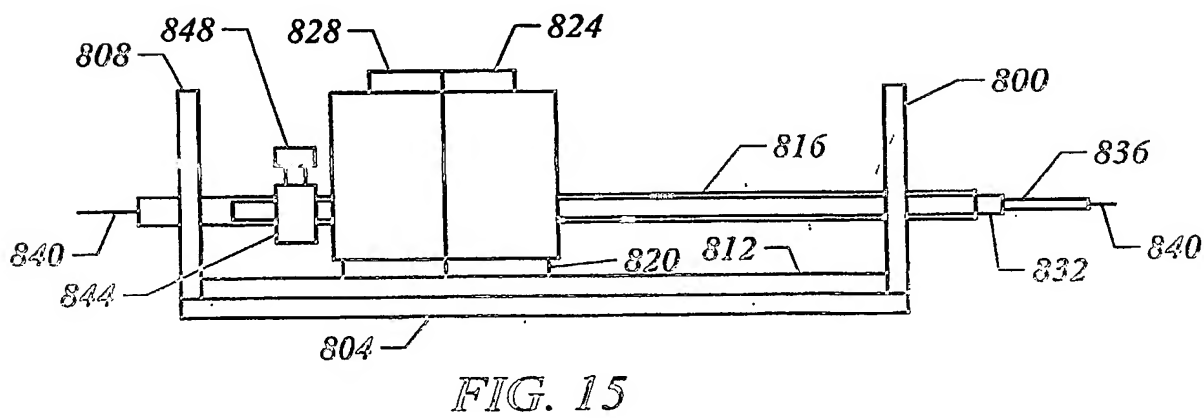
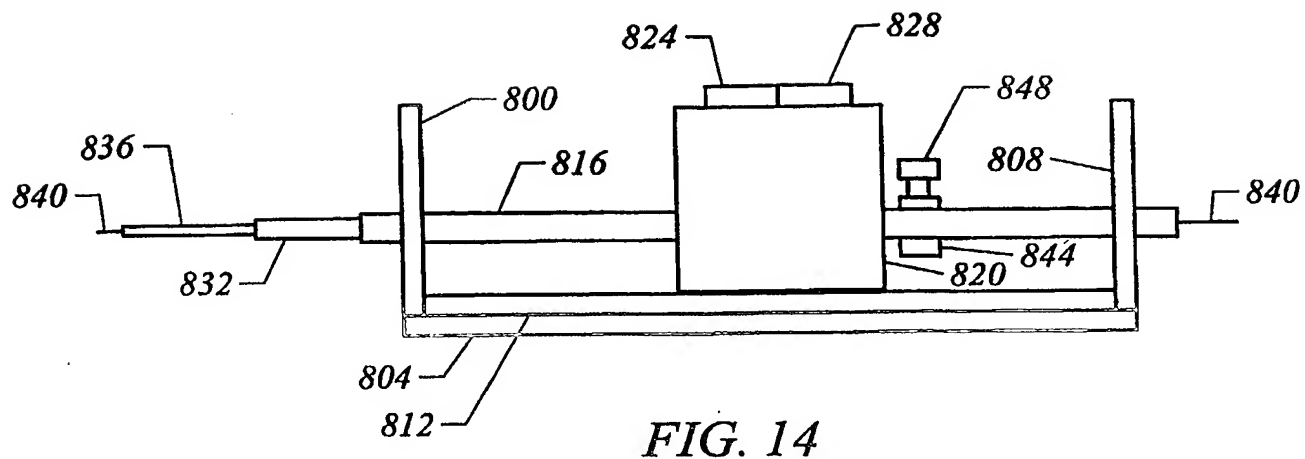
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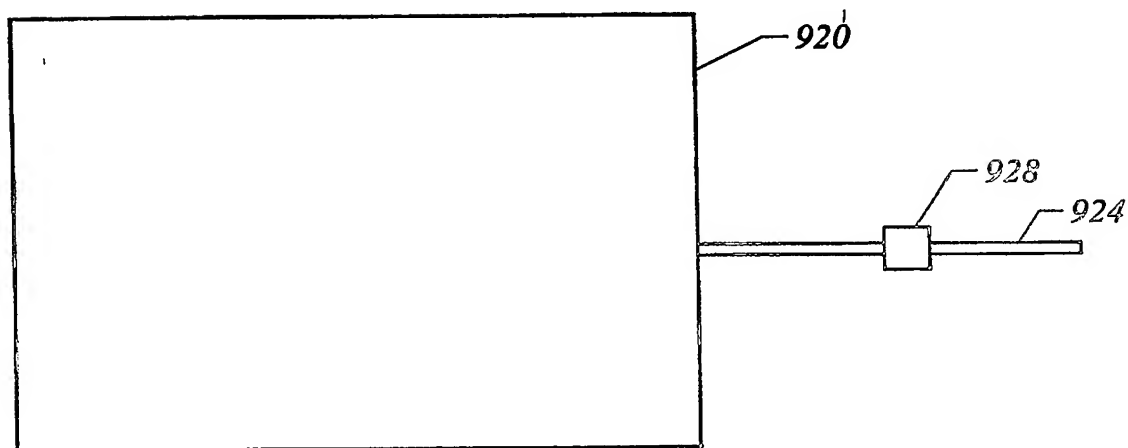
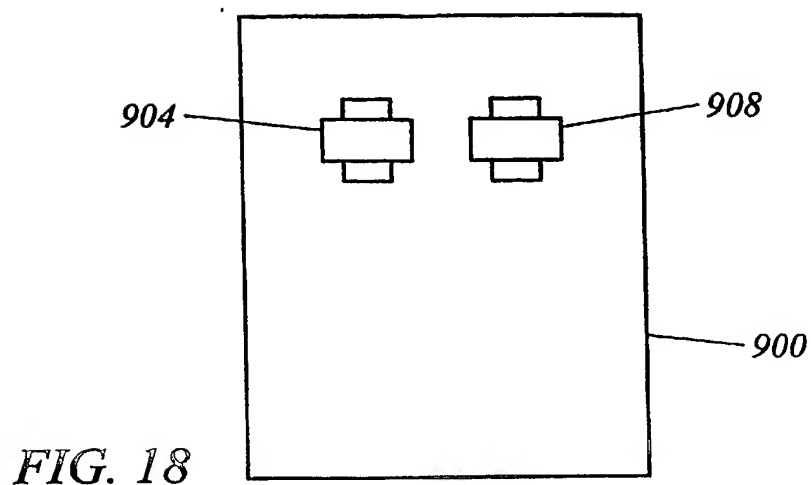


FIG. 19

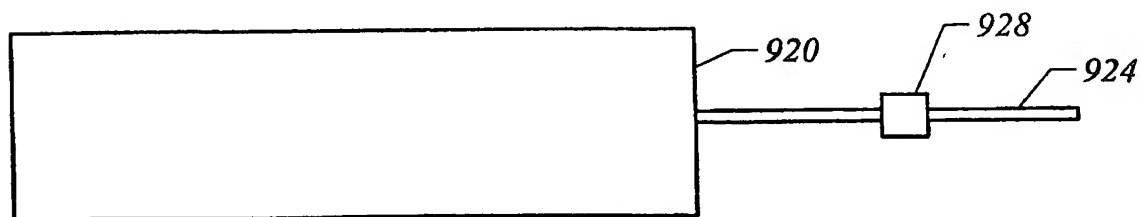


FIG. 20

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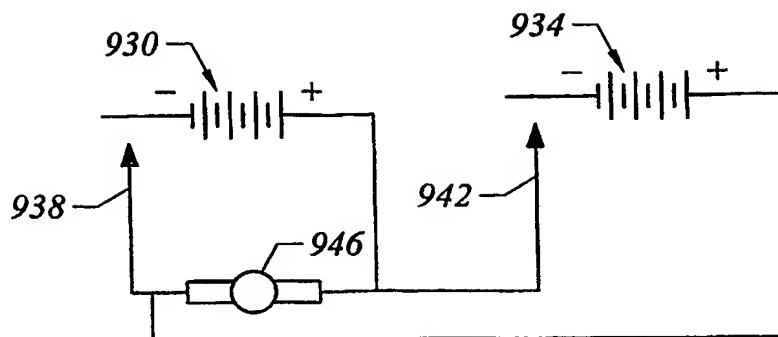


FIG. 21

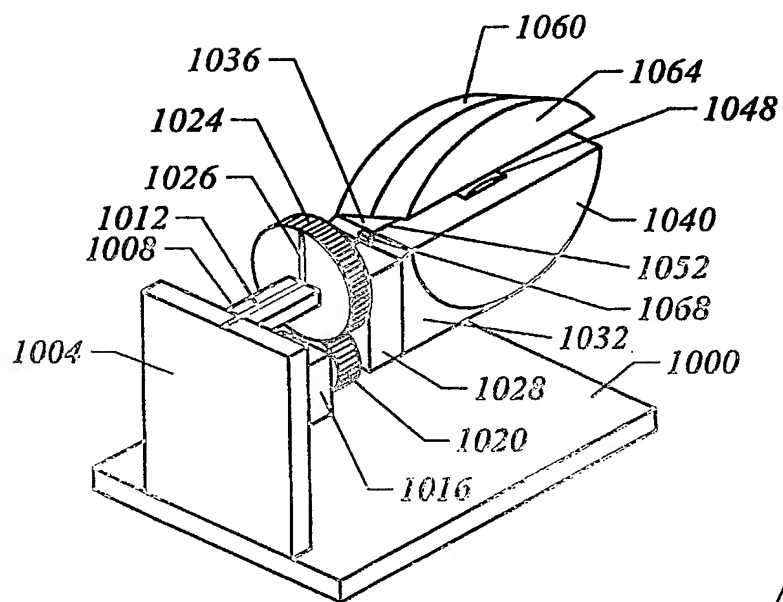


FIG. 22A

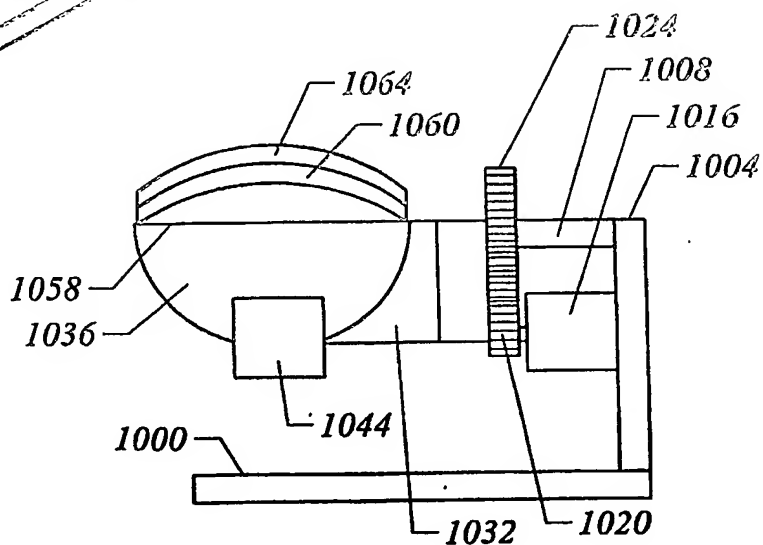


FIG. 22B

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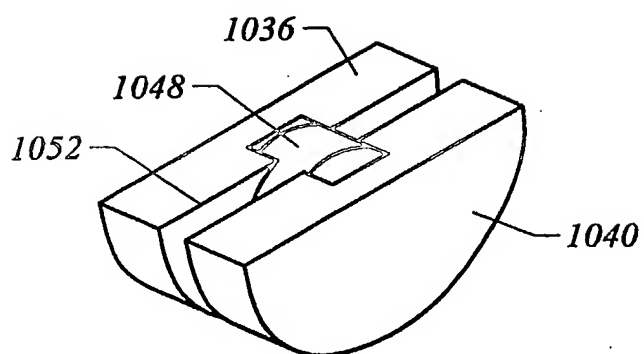


FIG. 23A

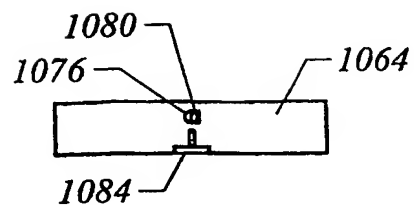


FIG. 23B

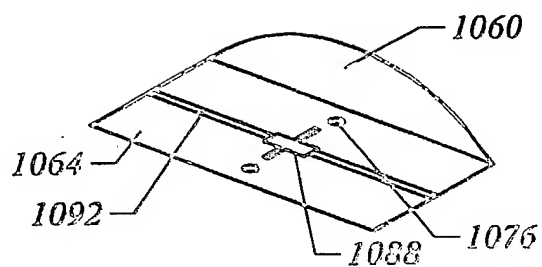


FIG. 23C

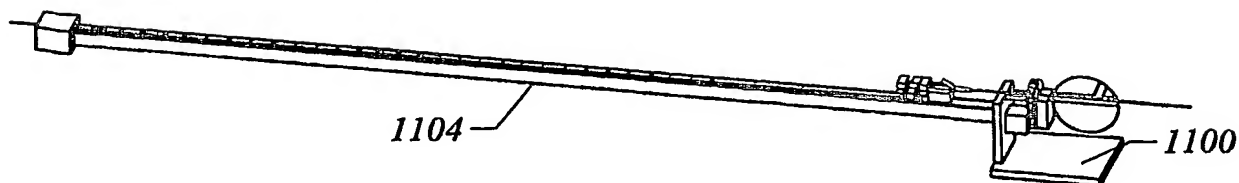
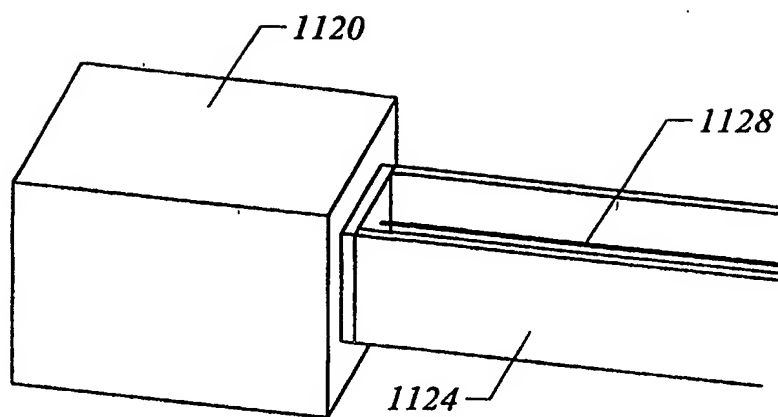
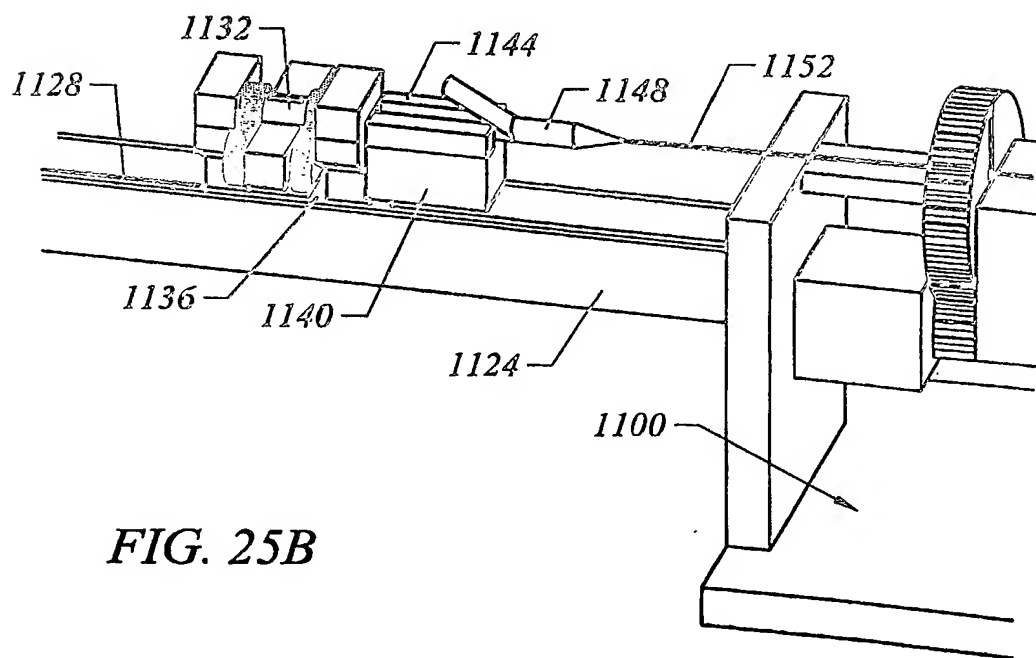


FIG. 24

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*FIG. 25A**FIG. 25B*

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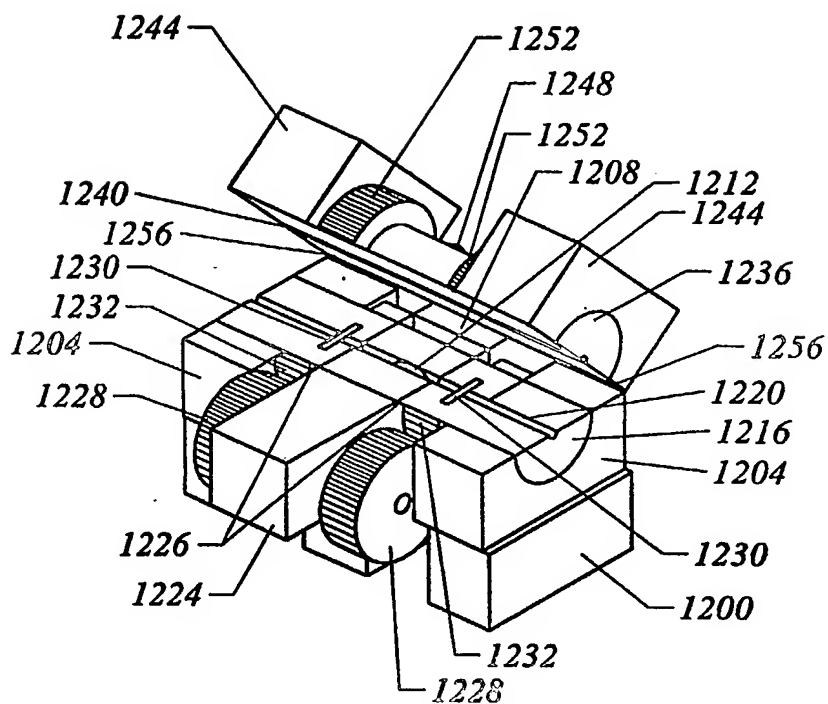


FIG. 26

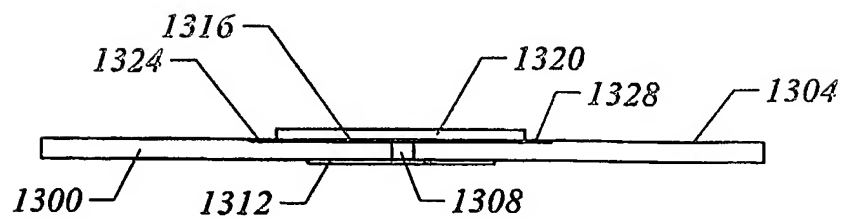


FIG. 27

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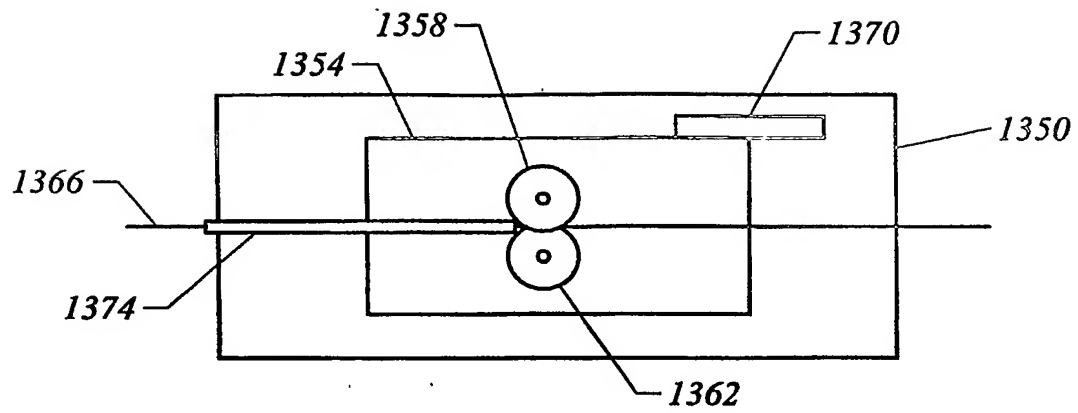


FIG. 28

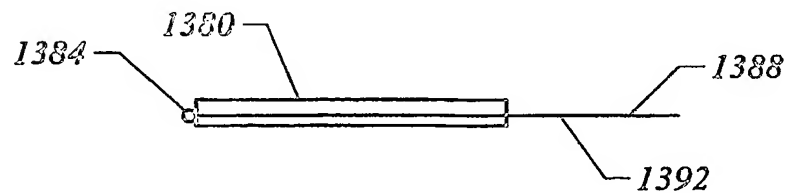


FIG. 29